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(54) Title: POLYOLEFIN COMPOSITIONS HAVING HIGH FLUIDITY

(57) Abstract: A polyolefin composition suitable for preparing films and sheets, comprising: (A) from 15 to 40 % by weight of a crystalline copolymer of propylene with at least one alpha-olefin of formula  $H_2C=CHR^1$ , where  $R^1$  is H or a  $C_{2-8}$  linear or branched alkyl, containing at least 90 % by weight of propylene, having solubility in xylene at room temperature lower than 15% by weight; (B) from 60 to 85 % by weight of an elastomeric fraction comprising: (1) a copolymer of propylene with ethylene, optionally containing 0.5 to 5 % by weight of a diene, containing from 20 to 35% by weight ethylene, and having solubility in xylene at room temperature greater than 45% by weight, the intrinsic viscosity of the xylene soluble fraction ranging from 1.0 to 3.9 dl/g; and (2) a copolymer of ethylene with at least one alpha-olefin of formula  $H_2C=CHR^2$ , where  $R^2$  is a  $C_{2-8}$  linear or branched alkyl, optionally containing 0.5 to 5 % by weight of a diene, containing 15 % to 40 % by weight alpha-olefin, and having solubility in xylene at room temperature greater than 35% by weight, the intrinsic viscosity of the xylene soluble fraction ranging from 1.0 to 3.0 dl/g; the (1)/(2) weight ratio ranging from 1:5 to 5:1. The polyolefin composition of the invention, preferably prepared by sequential polymerization in at least three stages, has a flexural modulus lower than 130 Mpa, shore D hardness lower than 40, and MFR  $\geq 1.5$  g/10min.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/02299

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L23/10 C08L23/04 C08L23/16 C08J5/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L C08J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 360 868 A (BARRERA MARK E ET AL) 1 November 1994 (1994-11-01) abstract; claims 1-15 column 7, line 39 column 4, line 51 column 10; table 1B	1-12
X	EP 0 412 534 A (SHOWA DENKO KK) 13 February 1991 (1991-02-13) abstract; claims 1-9 page 3, line 35,49 page 4, line 30 page 7; table 1	1-6
A	WO 00 11057 A (NEWS JEAN ; COVEZZI MASSIMO (IT); GOVONI GABRIELE (IT); MONTECH USA) 2 March 2000 (2000-03-02) abstract; claims 1-8	1-14



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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